

COVERED MICROSPHERE PREPARATION AND ITS PRODUCTION

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Abstract

PROBLEM TO BE SOLVED: To obtain a covered nanosphere exhibiting extremely high dispersibility in re-dispersing in water after pulverized and having excellent properties as a covering material of a preparation by modifying the surface with polyvinyl alcohol.

SOLUTION: This covered microsphere is composed of a biodegradable polymer and the surface is modified with a polyvinyl alcohol molecule. To obtain the nanosphere, a hydrophilic solvent solution of a biodegradable polymer is preferably added to a polyvinyl alcohol solution and, e.g. a lactic acid.glycolic acid copolymer containing glycolic acid in a ratio of 0.14-1 to 1 of lactic acid and having about 10,000-100,000 average molecular weight may be used as the polymer.

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